



(11) **EP 2 301 578 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**08.08.2012 Bulletin 2012/32**

(43) Date of publication A2:  
**30.03.2011 Bulletin 2011/13**

(21) Application number: **10181810.2**

(22) Date of filing: **09.04.2003**

(51) Int Cl.:  
**A61K 39/395** (2006.01) **A61K 39/00** (2006.01)  
**G01N 33/53** (2006.01) **C12P 21/00** (2006.01)  
**C12N 15/64** (2006.01) **A01K 67/00** (2006.01)

(84) Designated Contracting States:  
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR  
HU IE IT LI LU MC NL PT RO SE SI SK TR**  
Designated Extension States:  
**AL LT LV MK**

(30) Priority: **09.04.2002 US 371611 P**

(62) Document number(s) of the earlier application(s) in  
accordance with Art. 76 EPC:  
**08104327.5 / 1 997 512**  
**03721647.0 / 1 494 713**

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(54) **Methods for treating TWEAK-related conditions**

(57) The present invention provides methods and agents for the treatment of TWEAK-related conditions, including cardiac, liver, kidney, lung, adipose, skeletal, muscle, neuronal, bone and cartilage conditions. The invention also provides methods for identifying TWEAK agonists or antagonists for the treatment of TWEAK-related conditions. Additionally, the invention provides transgenic animals that express an exogenous DNA encoding a

TWEAK polypeptide, or fragments, analogs, or muteins thereof, and methods for using such animals to identify TWEAK agonists or antagonists. The invention further provides methods for diagnosing a disease based on TWEAK expression. The invention also provides methods for affecting cellular differentiation of progenitor cells using TWEAK polypeptides, agonists, or antagonists.

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## EUROPEAN SEARCH REPORT

Application Number  
EP 10 18 1810

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 01/45730 A (IMMUNEX CORPORATION; WILEY, STEVEN, R) 28 June 2001 (2001-06-28) * page 3, line 1 - line 21 * * page 5, line 9 - line 10 * * page 6, line 12 - line 13 * * page 9, line 11 - line 12 * * page 15, line 17 - page 17, line 10 * * claims 1-37,45; examples 2-4,6-8 *	1-7, 11-18	INV. A61K39/395 A61K39/00 G01N33/53 C12P21/00 C12N15/64 A01K67/00
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<del>The present search report has been drawn up for all claims</del>			
Place of search Munich		Date of completion of the search 7 March 2012	Examiner Bayer, Annette
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)



## EUROPEAN SEARCH REPORT

Application Number  
EP 10 18 1810

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			TECHNICAL FIELDS SEARCHED (IPC)
<del>The present search report has been drawn up for all claims</del>			
Place of search Munich		Date of completion of the search 7 March 2012	Examiner Bayer, Annette
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... &amp; : member of the same patent family, corresponding document</p>			

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EPO FORM 1503 03.82 (P04C01)



Application Number

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**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-7, 11-18

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION  
SHEET B**

Application Number  
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-7, 11-18

The use of a TWEAK modulator for the manufacture of a medicament for the treatment of the disease recited in present claims 1, 7, 11 and 15.

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2. claim: 8

A method for identifying a compound that acts as a TWEAK agonist or TWEAK antagonist as recited in present claim 8.

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3. claims: 9, 10

A method for identifying dilated cardiomyopathy in a subject as recited in present claim 9.

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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07-03-2012

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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